

AMENDMENTS TO THE SPECIFICATION

Please replace the first full paragraph on page 1, line 6 with the following rewritten paragraph:

--The present invention relates in general to a method for isotope separation of thallium, and more particularly to laser isotope separation of thallium using a laser beam.--

Please replace the third full paragraph on page 1, starting on line 17, with the following rewritten paragraph:

~~--Electromagnetic method is the~~The unique commercialized ~~one method used~~ to separate thallium isotopes is referred to as the electromagnetic method. In principle, the technique is simple. When passing between the poles of a magnet, a monoenergetic beam of ions of naturally occurring thallium splits into two streams according to their momentum, one per isotope, each characterized by a particular radius of curvature. Collecting cups at the ends of the semicircular trajectories catch the homogenous streams. It is generally agreed that electromagnetic separation represents the most versatile technology with the greatest experience base of any separation technology, but unfortunately it has low throughput and high operating cost.--

Please replace the section heading on page 4, line 1 with the following rewritten section heading:

--BRIEF DESCRIPTION OF THE DRAWINGS--

Please replace the section heading on page 4, line 29, with the following rewritten section heading:

--DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENTINVENTION--

Please delete the paragraph heading on page 7, line 26.